

10540245species

	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-8.58

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FILE COVERS 1907 - 30 Apr 2007 VOL 146 ISS 19
FILE LAST UPDATED: 29 Apr 2007 (20070429/ED)

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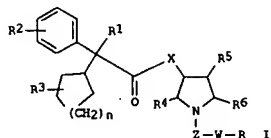
L25 1 L24

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10540245species

L25 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:546475 CAPLUS
DOCUMENT NUMBER: 141:106362
TITLE: Preparation of 1-substituted-3-pyrrolidine derivatives
as muscarinic receptor antagonists
INVENTOR(S): Kumara Savithru
Mehta, Anitar Gupta, Jang Bahadur Sarma, Pakala
PATENT ASSIGNEE(S): Ranbaxy Laboratories Limited, India
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXX02
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

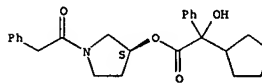
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002347552	A1	20040714	AU 2002-347552	20021223
EP 1583741	A1	20051012	EP 2002-783480	20021223
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
US 2006194862	A1	20060831	US 2006-540245	20060207
PRIORITY APPLN. INFO.:			WO 2002-1B5590	A 20021223
OTHER SOURCE(S):			CASREACT 141:106362; MARPAT 141:106362	
GI				



AB Title muscarinic receptor antagonists I (X = O, NH, etc.; R1 = OH, etc.; R2 = H, halo, alkyl; R3 = H, OH, etc.; R4, R5, R6 = H, alkyl; Z = CH2, SO2, carbonyl; W = alkylene, etc.; R = alkyl, aryl, etc.), useful for the treatment of various diseases of the respiratory, urinary and gastrointestinal systems mediated through muscarinic receptors, are prepared

L25 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
The affinity of these compds. for M2 and M3 muscarinic receptor subtype was tested. For example, (3S)-1-benzylpyrrolidin-3-yl cyclopentyl(hydroxy)phenylacetate was prepd. and had pKi = 6.13/7.17 for the M2 and M3 receptor subtype resp.
IT 719278-69-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1-substituted-3-pyrrolidine deriva. as muscarinic receptor antagonists)
RN 719278-69-0 CAPLUS
CN Benzeneacetic acid, α -cyclopentyl- α -hydroxy-, (3S)-1-(phenylacetyl)-3-pyrrolidinyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

5.74

1234.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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-0.78

-9.36

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DICTIONARY FILE UPDATES: 29 APR 2007 HIGHEST RN 933681-85-7

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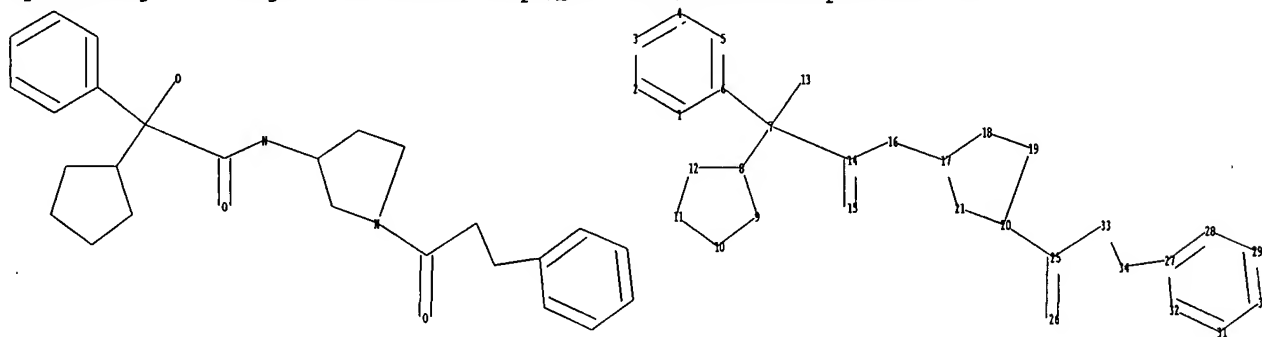
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<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Program Files\Stnexp\Queries\10540245species8.str



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10540245species

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7 13 14 15 16 25 26 33 34
ring nodes :
1 2 3 4 5 6 8 9 10 11 12 17 18 19 20 21 27 28 29 30 31 32
chain bonds :
6-7 7-8 7-13 7-14 14-15 14-16 16-17 20-25 25-26 25-33 27-34 33-34
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-12 9-10 10-11 11-12 17-18 17-21 18-19
19-20 20-21 27-32 27-28 28-29 29-30 30-31 31-32
exact/norm bonds :
7-13 14-15 14-16 16-17 19-20 20-21 20-25 25-26
exact bonds :
6-7 7-8 7-14 8-9 8-12 9-10 10-11 11-12 17-18 17-21 18-19 25-33 27-34
33-34
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 27-32 27-28 28-29 29-30 30-31 31-32
isolated ring systems :
containing 1 : 8 : 17 :
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G1:O,N

G2:C,O

Match level :

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11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 25:CLASS 26:CLASS 27:CLASS 28:Atom 29:Atom 30:Atom 31:Atom
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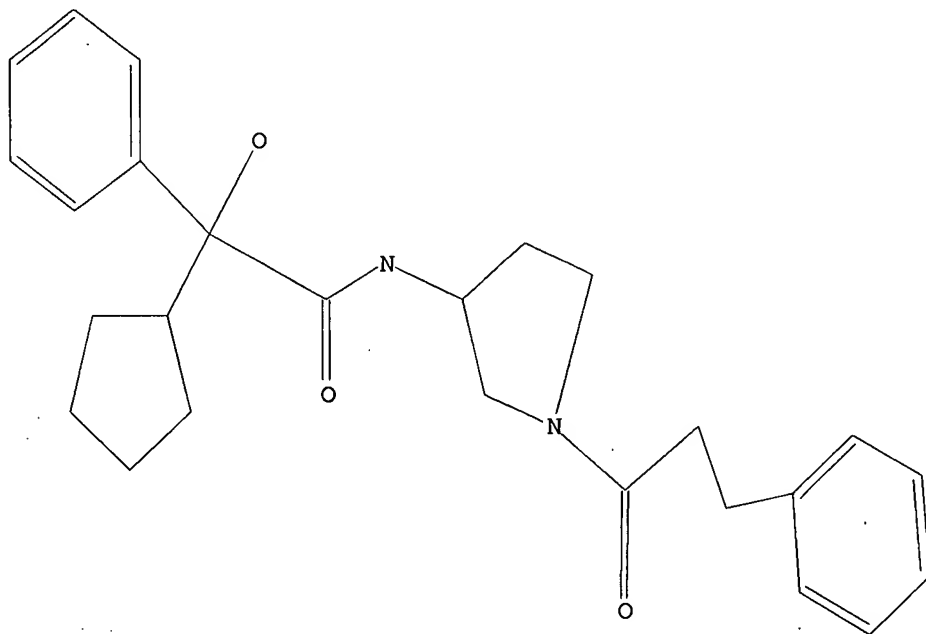
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L26 HAS NO ANSWERS

L26 STR

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G1 O,N

G2 C,O

Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 12:20:11 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 92 TO ITERATE

100.0% PROCESSED 92 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L27 0 SEA SSS FUL L26

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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1406.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-9.36

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STRUCTURE FILE UPDATES: 29 APR 2007 HIGHEST RN 933681-85-7
DICTIONARY FILE UPDATES: 29 APR 2007 HIGHEST RN 933681-85-7

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

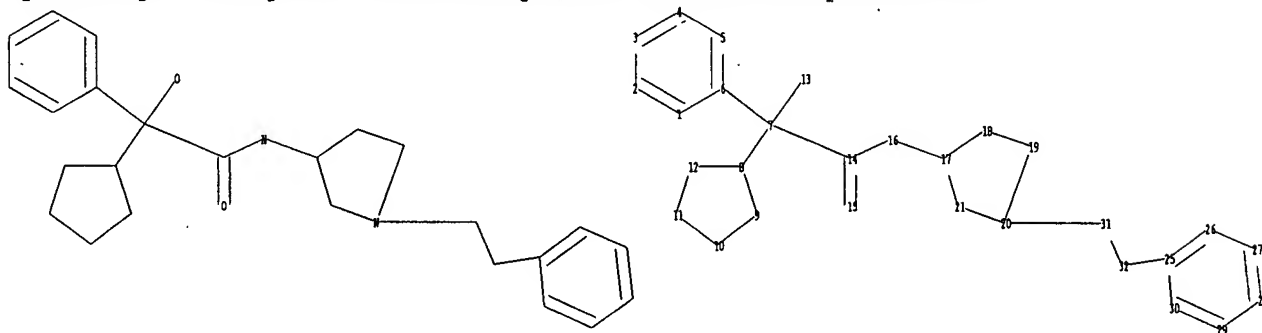
Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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Uploading C:\Program Files\Stnexp\Queries\10540245species9.str



chain nodes :

7 13 14 15 16 31 32

ring nodes :

1 2 3 4 5 6 8 9 10 11 12 17 18 19 20 21 25 26 27 28 29 30

chain bonds :

6-7 7-8 7-13 7-14 14-15 14-16 16-17 20-31 25-32 31-32

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-9 8-12 9-10 10-11 11-12 17-18 17-21 18-19
19-20 20-21 25-30 25-26 26-27 27-28 28-29 29-30

exact/norm bonds :

7-13 14-15 14-16 16-17 19-20 20-21 20-31

exact bonds :

6-7 7-8 7-14 8-9 8-12 9-10 10-11 11-12 17-18 17-21 18-19 25-32 31-32

normalized bonds :

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10540245species

1-2 1-6 2-3 3-4 4-5 5-6 25-30 25-26 26-27 27-28 28-29 29-30
isolated ring systems :
containing 1 : 8 : 17 :

G1:O,N

G2:C,O

Match level :

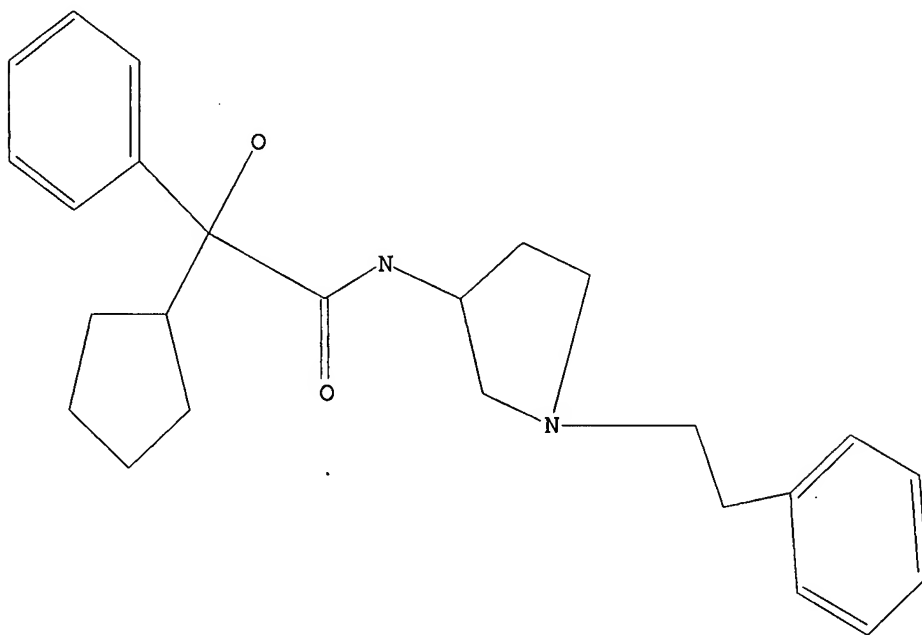
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11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 25:CLASS 26:Atom 27:Atom 28:Atom 29:Atom 30:CLASS 31:CLASS
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L28 STRUCTURE UPLOADED

=> d

L28 HAS NO ANSWERS

L28 STR



G1 O,N

G2 C,O

Structure attributes must be viewed using STN Express query preparation.

=> s 128 full

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FULL SEARCH INITIATED 12:21:11 FILE 'REGISTRY'
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100.0% PROCESSED 25 ITERATIONS 1 ANSWERS
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
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CA SUBSCRIBER PRICE	0.00	-9.36

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FILE COVERS 1907 - 30 Apr 2007 VOL 146 ISS 19
FILE LAST UPDATED: 29 Apr 2007 (20070429/ED)

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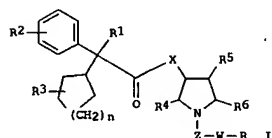
L30 1 L29

=> d ibib abs hitstr tot

10540245species

L30 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:546475 CAPLUS
 DOCUMENT NUMBER: 141:106362
 TITLE: Preparation of 1-substituted-3-pyrrolidine derivatives as muscarinic receptor antagonists
 INVENTOR(S): Mehta, Anita; Gupta, Jang Bahadur; Sarma, Pakala
 PATENT ASSIGNEE(S): Ranbaxy Laboratories Limited, India
 SOURCE: PCT Int. Appl., 47 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

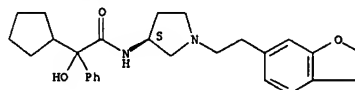
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056767	A1	20040708	WO 2002-1B5590	20021223
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW			
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AU 2002347552	A1	20040714	AU 2002-347552	20021223
EP 1583741	A1	20051012	EP 2002-783480	20021223
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
US 2006194862	A1	20060831	US 2006-540245	20060207
PRIORITY APPLN. INFO.:			WO 2002-1B5590	A 20021223
OTHER SOURCE(S):			CASREACT 141:106362; MARPAT 141:106362	



AB Title muscarinic receptor antagonists I (X = O, NH, etc.; R1 = OH, etc.; R2 = H, halo, alkyl; R3 = H, OH, etc.; R4, R5, R6 = H, alkyl; Z = CH2, SO2, carbonyl; W = alkylene, etc.; R = alkyl, aryl, etc.), useful for the treatment of various diseases of the respiratory, urinary and gastrointestinal systems mediated through muscarinic receptors, are prepared

L30 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 The affinity of these compds. for M2 and M3 muscarinic receptor subtype was tested. For example, (3S)-1-benzylpyrrolidin-3-yl cyclopentyl(hydroxy)phenylacetate was prepd. and had pKi = 6.13/7.17 for the M2 and M3 receptor subtype resp.
 IT 719278-60-1P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of 1-substituted-3-pyrrolidine derivate as muscarinic receptor antagonists)
 RN 719278-60-1 CAPLUS
 CN Benzeneacetamide, N-[(3S)-1-[2-(1,3-benzodioxol-5-yl)ethyl]-3-pyrrolidinyl]-a-cyclopentyl-a-hydroxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT